

# Central Kansas Clean Cities Alternative Fuels in Kansas



Kansas Governor's Energy Conference

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# Metropolitan Energy Center

The mission of MEC is to create resource efficiency, environmental health and economic vitality in mid-America.

## Kansas City area nonprofit since 1983

- Celebrating 35 years of transforming energy use!

## Energy Efficiency in the Built Environment

- Small Commercial Buildings
- Healthy Homes

## Reducing Petroleum Use in Transportation

- Kansas City Regional Clean Cities (20 years!)
- **Central Kansas Clean Cities (5 years!)**



# Clean Cities

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum use in transportation.



Created in 1993 out of the Energy Policy Act of 1992 (EPAct)

Department of Energy's Vehicle Technologies Office

Nearly 100 designated coalitions nationwide

Provides a framework for businesses and government agencies to work together

Goal: Reduce U.S. petroleum use by 2.5 billion gallons per year by 2020

- Fuel economy measures
- Idle reduction
- Trip elimination
- **Alternative and Renewable Fuels** - Biodiesel, Electricity, Ethanol (E85), Hydrogen, Natural gas, Propane

# The Role of Clean Cities



Green Fleet analysis for improved decision-making

Identification of funding opportunities

Grant application assistance

*State and federal support for alternative fuels*

Training on alternative fuels

Making connections to vendors

# Biofuels in Kansas

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Kansas is a top-10 state in ethanol production

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New ethanol plant under construction in Colwich

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New biodiesel plant in Wichita scheduled to open 2019

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Kansas products fueling Kansas jobs and the local economy

## Current Funding for Alternative Fuels

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EPA offering DERA funding for public school bus operators

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Biodiesel rebate – up to \$2000 for fleets or \$200 for individuals

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PERC mower incentive – up to \$1000 on propane mowers

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VW funding to be available soon

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# Federal Highway Administration

## Alternative Fuel Corridor Designation

FAST Act	FAST Act of 2015 requires designation of alt fuel corridors for electric, hydrogen, propane and natural gas vehicles
Identify	Identify current locations and additional needs for alternative fuel infrastructure along major highways
Update	Update alternative fuel corridor information on continuing basis
2020 Goal	Goal of 2020 for achievement of alternative fuel corridor infrastructure

# Compressed Natural Gas (CNG) Fuel

Cleaner burning and more economical fuel than diesel

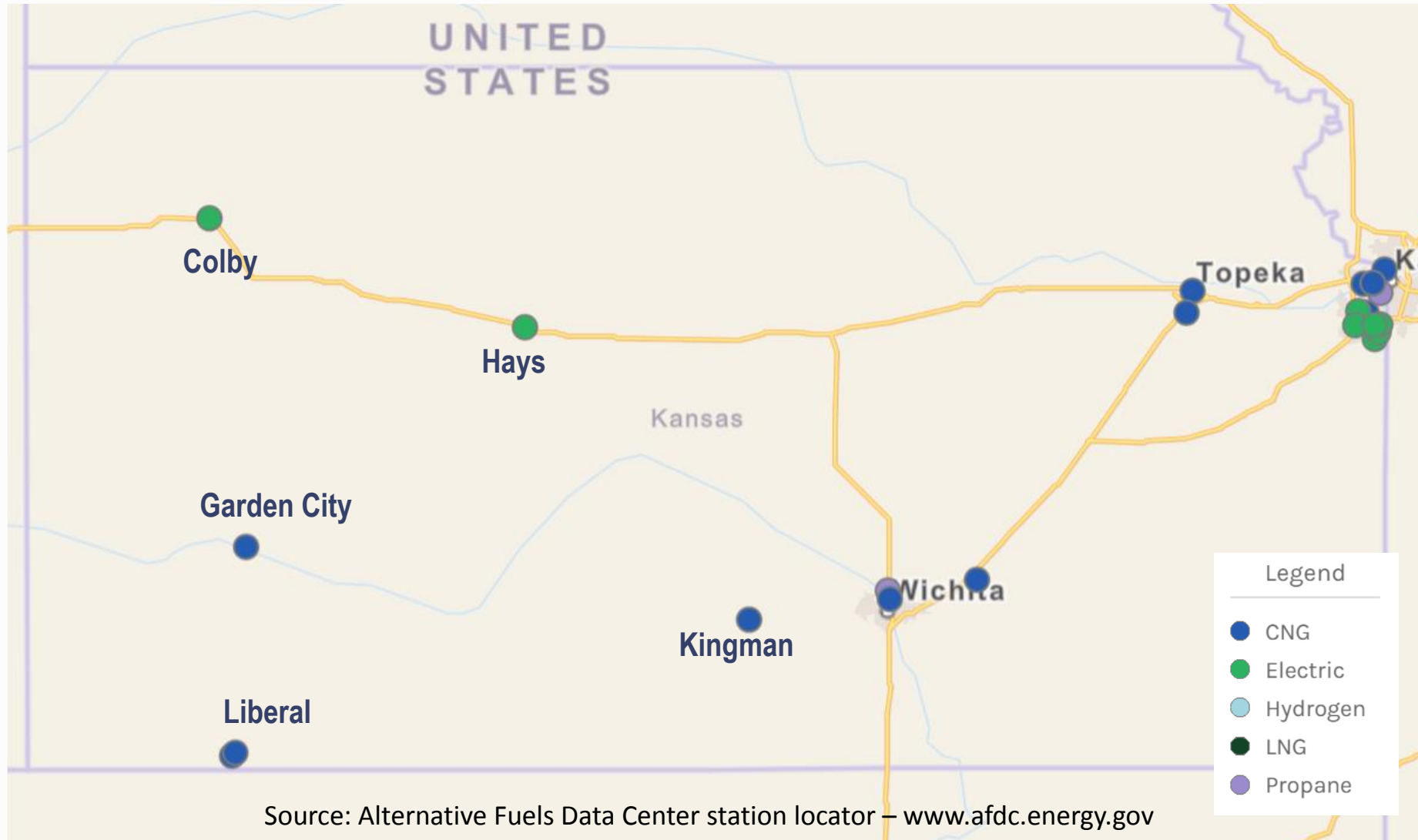
Locally produced fuel – Hugoton Gas Field in southwest Kansas is one of US largest – benefits Kansas economy

Most commonly used in municipal work trucks, transit/school buses, and heavy-duty trucks in return-to home scenarios.

Corridor development would allow vehicles to reliably travel across the state without concern for fuel access



# Current Alternative Fuel Stations in Kansas



## Alternative Fuel Corridor Designation

## Kansas Designation

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I-35 is a designated CNG corridor from KS/MO border to OK/KS border

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Electrify America is installing DCFC stations for EV charging along I-70 to achieve corridor designation

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MEC working on station installation for CNG corridor along I-70

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US-400 is approaching corridor status for CNG

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# Alternative Fuel Corridor Designation

## Corridor Designation Application



In 2017 MEC supported Iowa's nomination for I-35 as 'Ready' for CNG and 'Pending' for propane and EVSE.



MEC supported nominations in 2016 and 2017 and is ready to provide assistance to Kansas for a 2018 nomination.

# Alternative Fuel Corridor Designation

## Corridor Designation Priorities

The Round 3, 2018 solicitation deadline is **COB Thursday, January 31, 2019.**

FHWA areas of emphasis for Round 3 include:

- States that have not submitted an application as a lead
- Nominations that will complete the nation's longest and heavily traveled highways (I-70)
- EV nominations for Interstate highways targeted for the first phase of the Electrify America National ZEV Investment Plan (I-70)

# Electrify America Planned EVSE Installations

Plan includes I-70 in  
Kansas. The first two DCFC  
stations are already live in  
Colby and Hays.



## Rational for Supporting Alternative Fuel Signage

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Online tools are available for general location, but highway signage is still crucial

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Signage specifications are in compliance with the Manual on Uniform Traffic Control Devices (MUTCD)

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The scarcity of alt fuels makes signage more necessary than for readily available gasoline and diesel

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## Changes Necessary to Support Alternative Fuel Signage

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Policy that allows signs for fuel stations without additional services

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Making room on existing signage for alt fuel notices

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Help to create new supportive alt fuel signage policies and procedures

# Alternative Fuel Corridor Designation

## *What's next?*

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VW funding will likely expand  
alternative fuel adoption

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Alternative fuel stations will be  
needed for these vehicles

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State policies to support alternative  
fuel use and infrastructure

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Signage to meet corridor designation  
once stations are in place



# Contact Information & Questions

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The logo for the Metropolitan Energy Center features a large yellow circle in the background. Overlaid on the circle is the text "Metropolitan" in a bold, black, sans-serif font, and "ENERGY CENTER" in a smaller, black, sans-serif font below it.

**Metropolitan**  
ENERGY CENTER

The logo for Kansas City Regional Clean Cities features a blue silhouette of a city skyline with a yellow sun rising behind it. Below the skyline is the text "Clean Cities" in a blue, sans-serif font.

Kansas City Regional  
Clean Cities

The logo for Central Kansas Clean Cities features a yellow sun with rays, a blue silhouette of a city skyline, and a yellow wheat stalk. Below the skyline is the text "Central Kansas Clean Cities" in a blue, sans-serif font.

Central Kansas  
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